

SERVICE MANUAL

AUDIO TIMER SANSUI AT-15L



SPECIFICATIONS

Clock type	24-hour digital clock
Indication accuracy	Within ± 10 seconds a month (AC power supply synchronizing system)
On/off preset timer	
Preset	On/off time can be preset at will by units of minute.
Timer accuracy	Within ± 0.02 second of the set time
Sleep timer	Time of up to 1 hour 59 minutes can be set at will by units of minute.
Time counter	Capable of counting up to 1 hour 59 minutes 59 seconds. 1 count for 1 second. Indication is available in minute/second and hour/minute modes.
AC outlet	2 outlets, 700W in total.
Power supply voltage	110 to 120V/220 to 240V (with the power supply voltage selector switch).
Power supply frequency	50/60Hz (with the frequency selector switch).
Power consumption	7W
Dimensions	482mm (19")W 71mm (2-13/16")H 121.5mm (4-13/16")D
Weight	1.32kg (2.91 lbs) net 1.6kg (3.53 lbs) packed

* Design and specifications subject to changes without notice for improvements.

Sansui

SANSUI ELECTRIC CO., LTD.

1. PARTS LOCATION & PARTS LIST

Photo-1

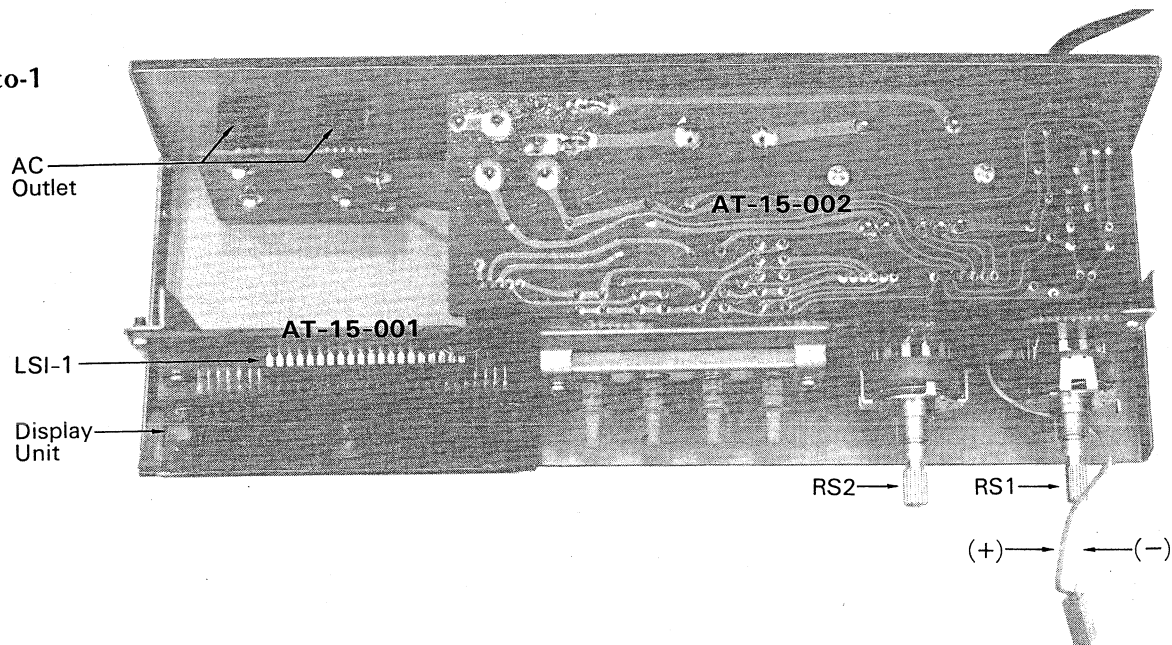


Photo-2

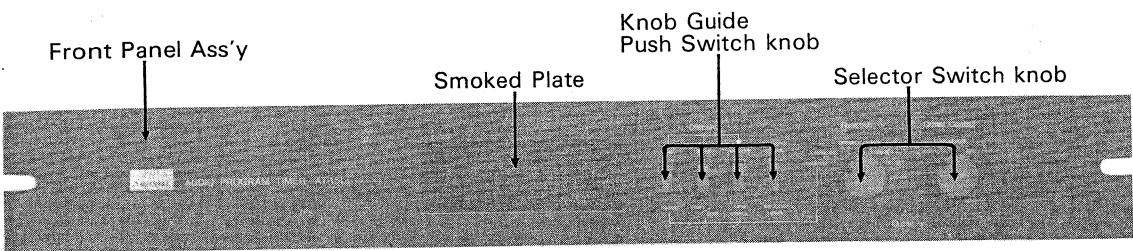
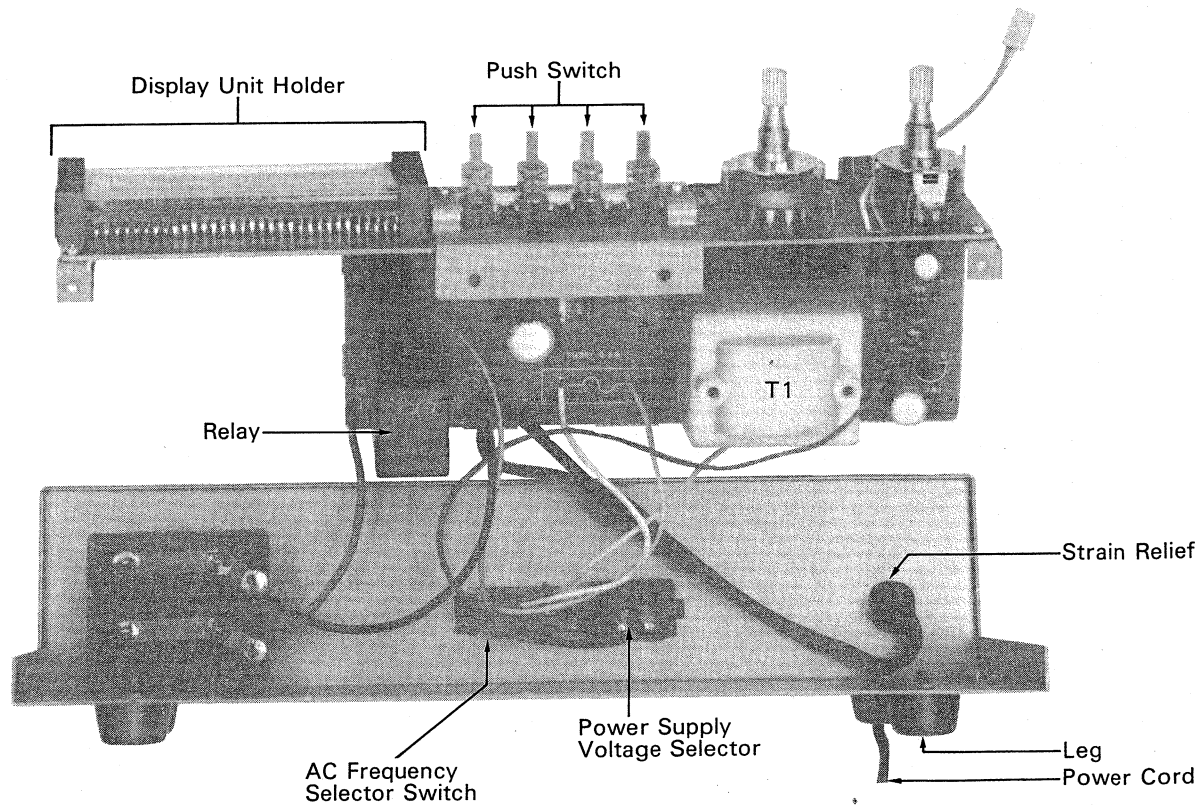


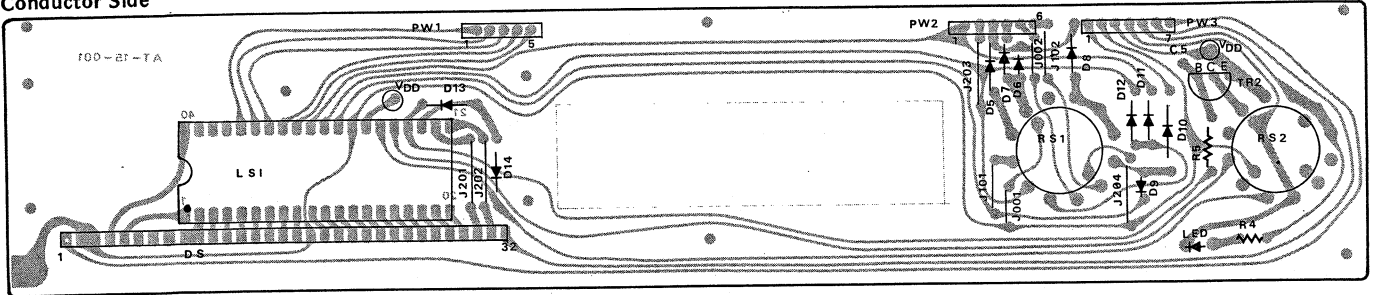
Photo-3



1-1. IC & Display Unit Circuit Board (AT-15-001)

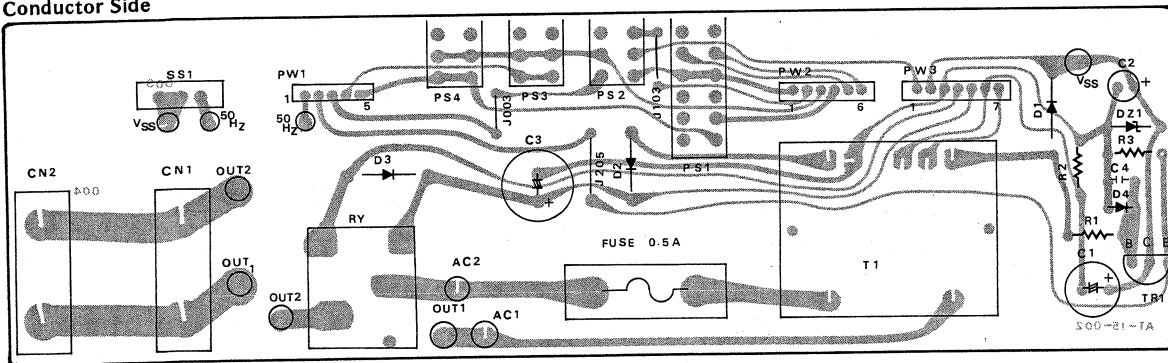
Note: The circuit board, AT-15-001/AT-15-002 are not supplied as the assembled, the individual parts on the circuit board, however, are provided for orders.

Conductor Side



1-2. Power Supply & Push Switch Circuit Board (AT-15-002)

Conductor Side



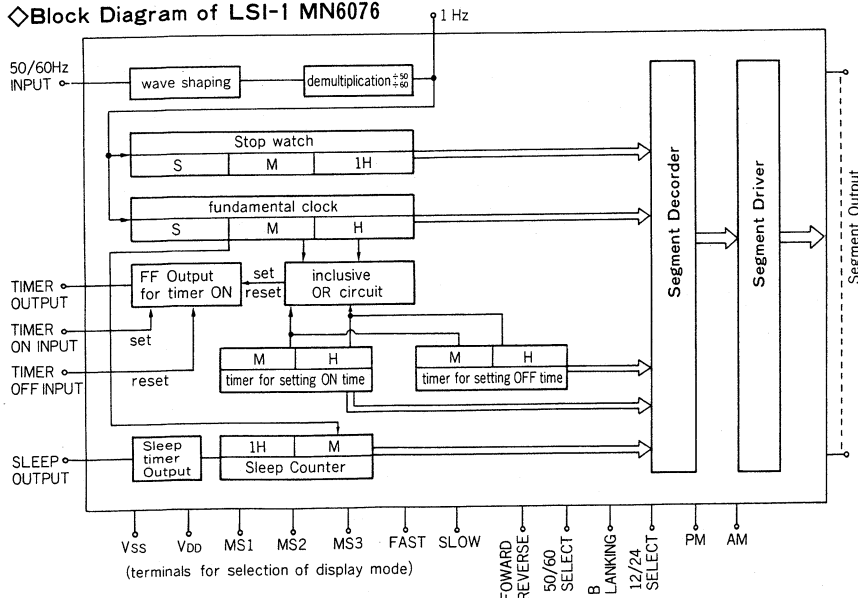
Parts List < Photo-1, 2, 3 / Circuit Board 1-1, 1-2>

Parts No.	Stock No.	Description
•Transistor		
TR1, 2	4305952, 3	2SC945
•IC		
LS1	0361210	MN6076
•Diode		
D 01~03	0311740	1N4002
D 04~14	0311180	1S1588
ZD01	0318290	RD12EB
DS 1	0030070	Display Unit
RY	1150580	Relay

Parts No.	Stock No.	Description
SS 1	1110410	AC Frequency Selector Switch
RS 1	1101940	Outlet Control Switch
RS 2	1101950	Function Switch
T 1	4003140	Power Transformer
PS1~S4	1132040	Push Switch
CN1, N2	2450110	AC Outlet
	3800471	AC Cord
SS 2	1110420	Slide Switch
	5297060	Switch Stopper
	7008700	Front Panel Ass'y

Parts No.	Stock No.	Description
Front Panel Ass'y	5396790	Smoked Plate
	5396770	Knob Guide
	0319120	LED, Outlet ON Indicator
	5318930	Selector Knob
	5319480	Push Knob
	5517340	Leg
	5296530	Display Unit Holder
	5007000	Bonnet
	3910820	Strain Relief, AC cord

◆Block Diagram of LSI-1 MN6076



• REPLACEMENT OF IC & DISPLAY UNIT

1. Remove bonnet and front panel ass'y.
2. Take IC and display unit out to this side.
3. Take off display unit holder at both sides then replace the IC to lean display unit toward this side. (The leads of display unit do not break off if the bending is within few times).

• Design and specifications subject to change without notice for improvement.
• La présentation et les spécifications sont susceptibles d'être modifiées sans préavis par suites d'améliorations éventuelles.
• Änderungen, die dem technischen Fortschritt dienen, bleiben vorbehalten.

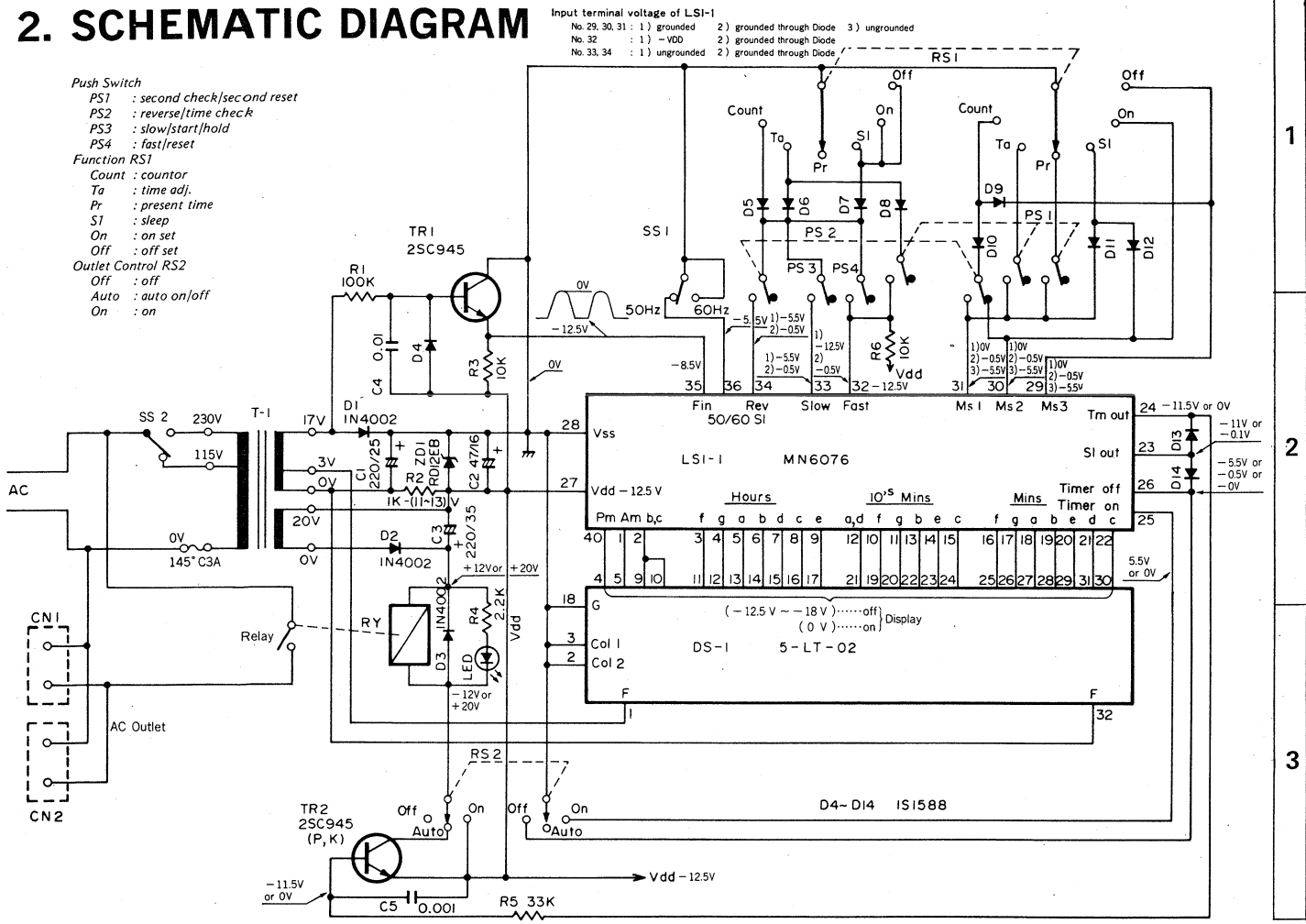
A

B

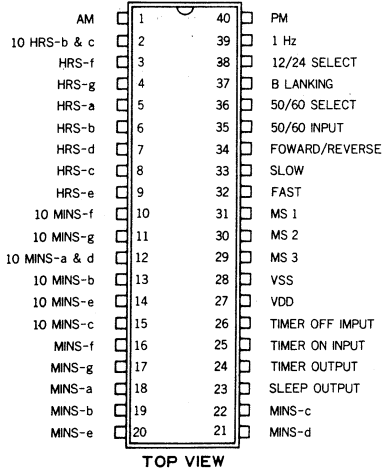
C

D

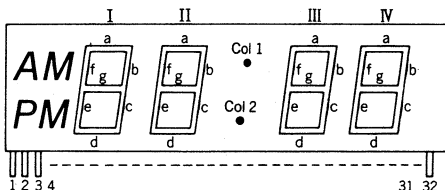
2. SCHEMATIC DIAGRAM



◇LSI- I MN6076



◇Display Unit DS-1



Segment	AM	PM	(b, c)	a, b, c, d, e, f, g	Cd1, Cd2	(a, b)
Pin of Display Unit	5	4	(9, 10)	13 14 16 15 17 11 12	3 2	21
	I			II		
	b	c	e	f	a	b
	22	24	23	19	20	27
	III			IV		
	a	b	c	d	e	f
	27	28	30	31	29	25
				Ground		
				Heater		
				1 1		
				32		

